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Vol. 10

NOVEMBER 1928



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A. S. ROSSITER

EDITOR

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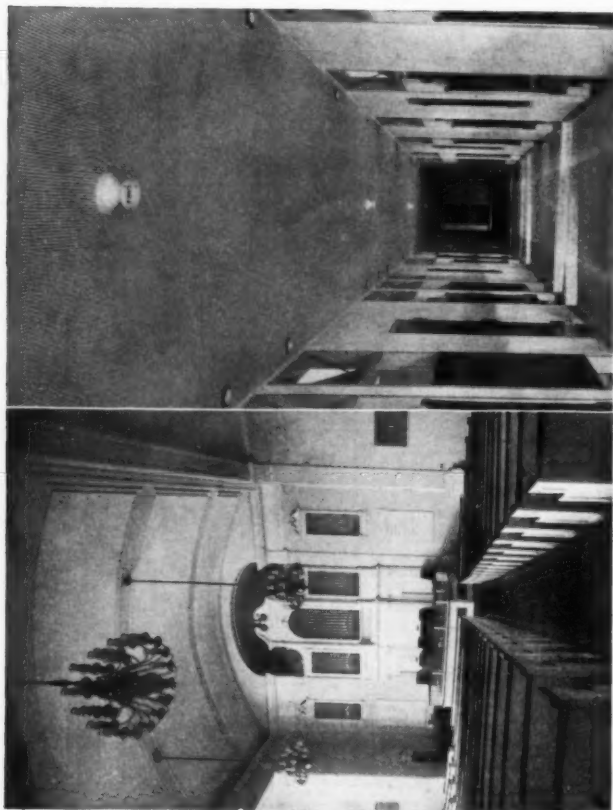
November 1928

Page One

a. Church in Newton, Mass., where an asbestos acoustic felt was employed in raised panels on the main ceiling to absorb excessive reverberation. The type of finish is known as J-M Nashkote Type "A".



b. The corridor in a Chicago Hospital with ceiling finished with an asbestos acoustic felt covered with J. M. Kribble Kloth. The treatment absorbs noise at its source and prevents its propagation to the rooms of private patients.



Architectural Acoustics

By R. V. PARSONS¹

The problems involved in sound control of building interiors have been reduced to a very exact and practical science. Hearing successfully in an auditorium means something more than just knowing what is going on—it means hearing with comfort and understanding.

There are three factors which determine this ability to hear with comfort and without strain. In the first place, the sounds of speech and music must be sufficiently loud. Secondly, succeeding syllables of speech and the notes of music must reach the auditor clearly and distinctly. Lastly, the intensity level of extraneous noises such as the sounds of traffic and ventilating equipment, must be so much lower than the sounds which are meant to be heard that they will not intrude upon the auditors.

Sound is a form of energy which spreads in spherical waves from its source, and its loudness or intensity decreases as the square of the distance from the source. Thus in the open air, sound does not possess that quality, which we speak of as carrying power, to any great degree, and the least bit of extraneous noise is usually enough to overwhelm speech or music at any appreciable distance from the source. The mere act of confining a prescribed space with walls and a ceiling or roof is to hold all the sound energy produced in such an area within a sort of container. Then, since all modern building interior finishes possess the quality of reflecting sound to a very high degree, it is evident that sound produced in any kind of modern building interior must go thru a process of multiple reflection from walls to ceiling, ceiling to floor, floor to walls again many times—actually several hundred times—before the sound energy is completely dissipated. To a certain extent, then, this act of confining sound is responsible for a well distributed intensity or loudness thruout even good sized rooms, for the reflected sound from walls, ceiling and floor reinforcing and amplifying the original sound, makes it

¹Acoustical Engineer, Johns-Manville Corporation, New York, N. Y.

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possible for audiences of considerable size to hear with a desirable degree of loudness.

In our constant search for harder and more dense building interior finishes for their fire resisting and sanitary qualities, however, we have somewhat overdone this matter of sound reflection in materials. Modern hard wall plaster, for instance, absorbs only about $2\frac{1}{2}\%$ of the sound at the average pitch of speech and music—a frequency of 512 cycles per second. Glass absorbs $2\frac{3}{4}\%$; cement $1\frac{1}{2}\%$; wood from 3% to 6%, depending upon the manner in which it is installed and the finish used; linoleum 3%; marble 1%.

Sound is absorbed by the qualities of porosity and flexibility in a material—the porosity of the mass and the flexibility of the mass as a whole, and even a cursory examination of most interior finishes will indicate that these two qualities are present to only a small degree in most interior finish materials. The result of this increasing use of hard interior finishes is that from 95% to 99% of the sound energy produced in almost any kind of an auditorium is reflected on coming in contact with the walls, floor and ceiling, and this process of continued reflection from surface to surface requires the element of time. If this reflecting process continues so long that the first syllable of a sentence remains audible while several succeeding syllables are being produced there will be a running together or blurring of sound thru which it is difficult to follow speech with any degree of comfort, and the same thing is true in a lesser degree with music. This phenomenon is known as reverberation.

Empty houses and rooms of all kinds are notoriously reverberant, yet as an empty house is furnished with rugs, carpets, draperies, upholstered furniture and finally, people, it takes on a soft quiet quality which is highly appreciated. This is because all these furnishings are fairly good sound absorbers. Carpets, for instance, absorb 15% of sound, and when lined with felt, as high as 25%. People, because of the soft porous quality of their clothing absorb nearly all the sound that strikes them. Many auditoriums which are extremely reverberant when empty become good acoustically as they are completely filled with

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— A S B E S T O S —

audiences, for then the floor is carpeted with a material which so rapidly increases the rate of absorption of sound that sound is not prolonged to an extreme degree.

The effect of the interior finish, size and shape of rooms on their acoustical qualities was made the object of a very intense and intelligent research by the late Professor W. C. Sabine of Harvard University, and resulted in the reduction to an exact science of these problems of sound



The entire ceiling of this main office of the Sperry Flour Company in San Francisco, is finished in J-M Nashkote Type "B", acoustical treatment. The sound absorbing felt used was a combination of asbestos fibre and cattle hair.

control in buildings. As a result of Prof. Sabine's researches, it is possible to measure the sound absorbing qualities of a building before or after it is built, providing we know the kind of interior finish that is to be used. If the room is too reverberant to meet public taste, the reverberation may be reduced by the introduction of furnishings; upholstered seats may be utilized to compensate for an audience when only small attendances are anticipated, or highly efficient sound absorbing interior finishes may be installed to produce the desired acoustical condition.

Sound absorbing interior finishes have been developed that are both highly efficient and practical. There is an acoustical felt available which absorbs as high as 70% of

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sound at a frequency of 512 cycles per second, and this felt may be finished to reproduce any kind of interior finish. It is highly fire resistant. Acoustic felt possesses both of the qualities which absorb sound—the qualities of porosity and flexibility—and for this reason it may be manipulated in density, thickness and surface finish over a wide range to meet certain specific requirements.

Certain finishes for instance, possess the quality of absorbing high pitched office noises, and when installed upon the ceilings of banking rooms and offices will reduce the loudness and carrying power of sound as much as 60% to 80%. In fact, this work of quieting offices has been developed to such a degree that it is considered a standard interior finish for rooms of this character.

Similarly, special finishes have been developed for quieting hospitals and restaurants. Again, other finishes have been developed which absorb sound more evenly over the essential portions of the scale of pitch. These are particularly desirable in auditoriums, churches and theatres, where music is a considerable factor, because they possess a more balanced absorption and do not affect the quality of music by absorbing the upper overtones and partials to a greater degree than they do the fundamentals or predominating pitches.

Plasters and tiles have been devised, which are fairly good sound absorbers, but since their absorption depends so greatly upon the porosity, particularly surface porosity, it is evident that they do not lend themselves so freely to painting and decoration as materials which also yield appreciably under the impact of the incident sound wave.

Asbestos is playing an ever increasing part in the production of these sound absorbing interior finishes as a fireproofing agent, and because of the character of the porosity which may be produced by the asbestos fibre itself. It has also been used in acoustical plasters, but is of too fine a texture to produce the desired qualities of mass porosity in a plastic mass.

There are other factors which influence the acoustics of rooms which can only be touched upon in so brief an article. It is evident that the shape and contour of the walls and ceiling of an auditorium may be designed to

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direct reflected sound where it is needed for reinforcement, or that if a design has already been put into concrete form in a building that results in undesirable focusing effects, the reflecting surfaces may be neutralized by making the reflectors of absorbing material.

Ventilating and heating equipment may be quieted or muffled either by changes in design or by the use of sound absorbing baffles and lining in the ducts. Thru proper design and constructions, outside noises may be reduced to a minimum. It is desirable that all of these factors be given consideration in advance of construction wherever possible, but almost equally good results can be secured in buildings already built.

Stories of Endurance

From time to time there reach us stories of asbestos products withstanding unusual, or unusually severe conditions. These are of very great interest, and add much to the salesman's stock of arguments. We would like to receive more of them than we do.

The latest story of this kind comes from France and concerns "Giffa" Wall Covering. This wall covering is treated to resemble marble, etc., the base of it being asbestos wood. Somewhat similar wallboards are made in this country.

In this particular instance the Asbestos Wall Covering was used by the Omnium Francais Du Film, Paris, for the decoration of their hall. A fire broke out in the film projection room, and while the wooden partitions were burnt and the ironwork warped, the "Giffa" Wall Covering resisted perfectly the flames, not even losing its beautiful polish.

Omnium Francais Du Film wrote to the manufacturers of "Giffa" telling them of the admirable manner in which the material withstood the fire, and copies of this letter are in our office to be sent to anyone who may be interested in reading it. We also have a number of samples of "Giffa" here, which will be gladly sent to interested readers upon request.

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IMPORT

EXPORT

Unfair Practices

From the old days of horse trading, when the accepted code was "let the buyer beware," to the present day method of doing business is a long road, but one of continued progress.

And it is with a feeling of satisfaction in the security of the future of business that we note from time to time milestones in this march of progress along the line of ethics in business.

Changing economic conditions have brought, thru a process of evolution, an entirely new business code—a code which is still in a state of flux and in which we may look for still further improvement as time goes on.

In a recent number we mentioned the policy of one manufacturer as to the fallacy of knocking competitors' products. No forward looking executive can doubt the wisdom of this policy.

A more recent example of progress along the line of better business methods is contained in the report of the Trade Practice Conference in the Flat Glass Industry, under the auspices of the Federal Trade Commission. The object of conferences of this type is to give the industry—manufacturers, distributors, etc., an opportunity to evolve a code of business conduct. The rules of conduct adopted were divided into two groups—the first referring to practices already declared unfair by the Commission or the courts; the second accepted as expressions of the industry, by the Commission.

In the first group resolutions adopted forbade:

- Inducing breach of contract
- Misbranding
- Fraud and misrepresentation to customers
- Sale of unbranded products
- Substitution of one quality of goods for another
- Secret rebates
- Price discrimination as defined in section 2 of the Clayton Act
- Price discrimination by failure to charge customer published rates for packing, freight and trucking charges.

— A S B E S T O S —

Price discrimination thru free trucking beyond city limits, unless published with the price and allowed to all customers buying similar quantities in the same territories.

In the second group the policies—

Forbade sales without profit, for the purpose of furthering sale of other products

Urged settlement of disputes by commercial arbitration
Forbade acceptance of blanket contracts between manufacturers and dealers which do not contain specifications

Opposed sale to separate purchasers of less than carload lots as full carload or other group lots, at a sales price not considering the added expense involved in such method of sale.

Condemned dumping.

There have been numerous codes of ethics adopted and numerous attempts to eliminate chicanery in competition.

There are still many policies in the transaction of business on which economists cannot agree. Certain it is, however, that every attempt to eliminate unfair practices and place business on a higher plane is a step in the right direction and should have every encouragement.

And it is gratifying to learn of the encouragement given by the Federal Trade Commission in its recent ruling which makes "secret violations of Trade Association 'Codes of Ethics' actionable."

In the past the effort of progressive members of an industry to secure the adoption of a Code of Ethics usually resulted in complete approval by the Industry, accompanied by clandestine violations of the code. Ruling of the Courts or the Trade Commission automatically became binding, but expressions in Codes which had not been reviewed by the Courts or Commission and many of which could not, by their nature, be brought before them, had been secretly nullified.

The Commission now rules, however, that, having accepted the Code, a violation of it is subject to "cease and desist" order from the Commission and, if continued, may be taken to Court. Thus is the Code armed for effective use.

Asbestos in Hat Making¹

No, not Asbestos Hats, but Asbestos used in the making of hats!

It was a problem which the durability of Asbestos Cloth finally solved, and for the largest hat manufacturer in the country—the John B. Stetson Company, which makes 3,300,000 hats a year.

On the machines used for the shaping of brims of hats, and called sand pressing flanging machines, it is necessary to have a fabric which is strong, heat resisting and moistureproof.

These machines consist of a plate heated by steam, upon which rests a large bag, approximately 2 feet in diameter, filled with 135 pounds of sand. The whole is heated by the steam plate to an average operating temperature of 216° F.

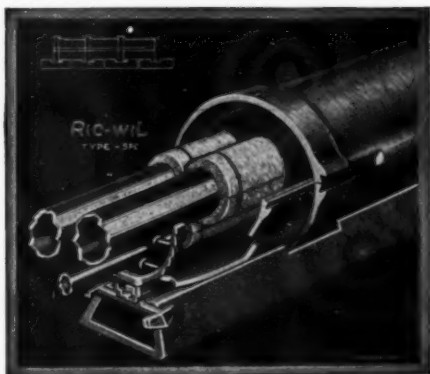
The bag of sand is lifted mechanically, and a hat in its wooden form or mould, is placed under it. The bag then descends, shaping the hat to the form by a combination of pressure and heat. Originally the bag was made of army duck of sufficient weight to hold the sand, with an outer covering of Canton flannel to prevent the rough surface of the duck from making a pattern in the felt. The nap of the flannel soon wore off, however, in fact so rapidly that it was necessary to change the outer covering of the bag about once a week.

But the sand, combined with the heat and moisture, rotted the duck, and often when the flannel covering was removed, the 135 pounds of sand would spill all over the steam plate and bench, resulting in a costly repair job.

To guard against this dumping of the sand, the duck bags were also changed each week. It took 20 minutes to change one bag, and there were 101 bags in continuous operation,—a great waste of time, in fact 33 hours a week.

The foreman of the flanging department decided to hunt for a substitute fabric, and finally hit on Asbestos

¹ We are indebted to the J. M. Power Specialist for this story.



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— A S B E S T O S —

Cloth. The first ones were installed in June 1927, and are still in use. Gradually others were added, until recently the whole 101 presses were equipped with the asbestos cloth bags.

Liquid Asbestos

An Asbestos material which has not hitherto been mentioned in our pages is Liquid Asbestos for improving the appearance of furnace piping as well as boiler piping, both in steam and hot water.

Liquid Asbestos is a material of a heavy paste consistency. It may be applied with a paint brush, but it is not paint and contains no ingredients that are used in the manufacture of paint. It is made from finely powdered Asbestos combined with other material which makes it a mighty tough and durable coating which may be applied rapidly and with very little expense, over Asbestos or other covering on hot water and steam boiler insulations.

The material was first used as a coating for furnaces and furnace pipes, and was found to be a wonderful coating for boilers over the regular boiler insulation and over all exposed piping in the basement over air cell coverings.

Besides its insulating qualities, Liquid Asbestos appeals to the public because of its sanitary qualities and appearance. Being waterproof, with a smooth finish, the entire heating plant, when covered with Liquid Asbestos can be washed or scrubbed and kept as clean as the most sanitary kitchen. It is also manufactured in colors: red, blue, gray, green and orange. These colors comply with government requirements for leads and returns on hot water and steam insulations. Furthermore the colors are being used extensively in basements that have been converted into recreation rooms or for other purposes. Heating plants may be finished in colors. Some large furnace dealers, we understand, are using the material in white for the furnace body and hood, orange for the warm air runs, and green for the cold air returns. This same plan is being

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carried out in color schemes for boilers both in steam and hot water.

As its name implies, it is fireproof and will, it is said, withstand heat up to a very high temperature. It can be considered a coating that is 100% seamless, and will not peel, crack or check off when applied to furnace piping or on boiler piping.

Liquid Asbestos can be applied at a minimum low cost over Asbestos coverings and its use will preserve the regular asbestos covering or coating. The manufacturers say that many repeat orders are being received for this material—the best indication in the world that it is performing a very satisfactory function in the heating industry, and fulfilling a long desired need.

Liquid Asbestos is not, however, intended to be used entirely as an insulator on the boiler bodies themselves, but should be applied over the regular boiler covering or coating. It has also been found useful in industrial plants for many different purposes. It is being used for the lining of cupolas for the melting of steel. Some foundries are using it for lining pour pots for the carrying of iron, and it is found to be much better than clay for this purpose (the material usually used for this) as it will last for several weeks and takes but a few minutes to dry in the ladle.

Insulation manufacturers who are striving to improve the appearance of their air cell covering might do well to write the manufacturers¹ for full information, prices, etc., on this material.

¹B. & F. Mfg. Co., 422 Court Avenue, Des Moines, Ia.

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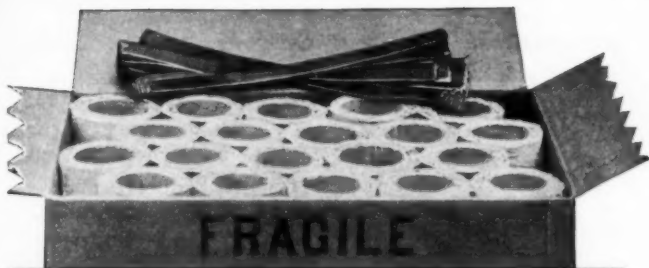
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Amosite-Its Growing Popularity

The pioneers in the use of Amosite found a great many obstacles in their path.

Perhaps the chief cause was the misleading appearance of the material. Its length and strength seemed to suit it admirably for spinning, and because of these two qualities, and probably also because the spinning qualities of Asbestos command the highest prices, those interested in the Amosite deposits did not at first attempt to find other uses for it.

The peculiar harsh quality of the material, however, made it very difficult to spin, and when the producers realized this, and turned their attention to finding of other uses, amosite began to come into its own. Since that time, the firm¹ most interested in the development of Amosite discovered a method of carding and spinning it, which they patented in both England and the United States, and they were then able to place the material on the world's markets with satisfactory results.

For uses other than spinning, such as a binder in Magnesia Pipe and Boiler Covering, or for asbestos cement products, the extraordinary length was found to be a detriment, and it was quite some time before a method of cutting the fibres to the necessary short lengths was devised. We have just learned that an efficient machine for cutting the material to short lengths, was evolved some time ago and has been in operation ever since. Later a treatment of the fibres was developed, which made it possible to use the fibre without cutting, in both Magnesia Pipe Covering and in Asbestos Cement Products.

Amosite was first introduced into Europe and found more favor there than in the United States, principally because the spinning machines in Europe were much better adapted to the spinning of this peculiar fibre, than the higher powered machines used in the United States. Europe, in fact, is at present using from 300 to 400 tons a month, some for spinning, some for asbestos cement

¹Cape Asbestos Company.

— A S B E S T O S —

products, some for rope filling, and some for the manufacture of Magnesia Pipe and Boiler Coverings.

The United States is at present using 200 to 300 tons a month, and a considerable part of this is being spun, the balance going into Magnesia Coverings. The high cost of transportation rather militates against the use of Amosite in asbestos cement products in this country at the present.

Amosite from various mines varies in quality, and also in color. The original strike of Amosite Asbestos is still considered the best material and while the color of the various grades differs slightly, not often does color affect quality, except in the very lowest grades which are very dark in color.

It is entirely possible and highly probable that Amosite is only in the infancy of its usefulness, and as time and experimentation go on, it will undoubtedly be found adaptable for many purposes and used in ever increasing quantities. The tremendous quantities of the material which exist in Africa make it even more susceptible to new adaptations, and we believe the future of Amosite is well assured but by no means to be taken for granted. The pioneers in this material have put a lot of energy, brains, and money into its development, and are not pausing in their effort to make Amosite readily marketable. Those who get into the game from now on should exert just as much effort to see that Amosite is still further developed and exploited.

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Little Lessons in Selling

II. The Courage to Talk a Big Deal

By JOHN T. BARTLETT

Of those qualities which put a salesman in the big-time class, the courage to talk big deals is one of the most fundamental. The world is full of little salesmen who never grow to something bigger because they do not have the nerve to think in large sums.

Talking a \$5 sale, they are at home, with confidence and aggressiveness. They seldom suggest the large sale because, somehow, they possess an instinctive feeling that selling increases in difficulty with increase in number of figures between the dollar sign and the first decimal point. This is not the case.

In fact it is often a good deal easier to make a big sale than it is to make a small one, to the same individual. Talk the big sale, and, immediately you challenge attention. Maybe your customer is a man who thinks in big terms himself. If so, he'll appreciate the salesman who thinks in big terms, also.

One of the best salesmen we know in early life formed the "talk-a-carload" habit.

"I always talk a big sale, to start the discussion," he told this writer. "The very size of the suggestion makes the prospect give you attention. You discover, soon, whether there are actual prospects of selling the large quantities—and sometimes there are! One of the big incidental purposes served, of course, is the far greater ease with which a good-sized order is obtained. I know the inside story of a good many of my sales, and frequently the merchant bought from me four or five times what he had in mind to buy when I entered his office. Talking a carload has the effect of getting the purchase on the right basis."

It's a wonderful asset to any salesman when, going into a big proposition, his nerve is exactly as good as it is for a small sale. That means that his thinking continues excellent.

A great many little salesmen would be big ones if they had the courage to talk the big deals.

— A S B E S T O S —

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A S B E S T O S

FACT AND FANCY

Horse Trading.

One of the best articles we have ever read on price cutting, or "horse trading," as the author calls it, appeared in the September issue of *Industrial Power* (published at 608 S. Dearborn Street, Chicago). It is written by Alfred Kauffman, President of the Link-Belt Company of Chicago, under the title "Fixed Prices vs Horse Trading."

One paragraph of this straight from the shoulder article strikes us as particularly apt. It reads:

"Really, why should we do things in a big way among reputable concerns on any lower plane than we carry on a retail transaction in almost any store today? If I go into Marshall Field's store to buy shoes, upon being shown a pair and being told that they are \$12, I don't reply 'No, I won't pay you that. I don't want your asking price. What is your lowest price to me?' Of course I don't. I take them at the quoted price or leave them. It has been years since haggling has gone on in retail transactions in reputable stores. Why need it persist among concerns of equally high standing in the manufacturing and engineering world? What more reason is there for it in the one case than in the other?"

Rather true, is it not?

African Asbestos Activity.

In the September 22nd issue of *The South African Mining & Engineering Journal* appears an editorial which presents a slightly different angle on the Asbestos Activity in Africa, and we are quoting it for the benefit of our readers:

"Altho we have endeavored to give the subject of asbestos a rest in our pages of late, no day goes by that does not bring us news of fresh discoveries. A remarkable development that does not seem to have been noticed is the number of occurrences that have been found on other properties, that is upon properties held for minerals other than asbestos. Quite half a dozen cases of this sort

— A S B E S T O S —



AMERICAN ASBESTOS COMPANY



Manufacturers of
Asbestos Textiles

NORRISTOWN, PA., U. S. A.

Headquarters for
**Yarns, Cloth, Tapes, Fibres, Brake
Linings and Textiles Generally**

WRITE FOR PRESENT PRICES

— A S B E S T O S —

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The Spalato Portland Cement Cy. Ltd.
Via R. Pitteri Trieste (Italy)

— A S B E S T O S —

have come to our notice during the past week, and in regard to some of the land-owning companies, what happened during the early days of the platinum boom is being to some extent repeated. Apparently, there is some asbestos to be found, almost everywhere in the Transvaal, and nothing but the admirable caution and reserve of those concerned stands in the way of our being able to make several announcements of great importance to the shareholders in the companies concerned. It is, of course, all to the good that our company controllers should have learned caution from the platinum disappointments, and the wise restraint now being exercised in publishing news of asbestos finds will, doubtless, have its reward later on. Meanwhile it is not too much to say that the asbestos industry in South Africa is going ahead and gathering momentum every day."

Asbestos Paper and Millboard Standards.

The consuming branch of the asbestos paper industry has been calling for thicknesses of paper and sizes of rolls not included in the original schedule adopted in 1924 at a conference called by the Division of Simplified Practice of the U. S. Department of Commerce. A few sizes have been added and the present thicknesses of paper now standard are: 8 lbs., 10 lbs., 12 lbs., 14 lbs. 16 lbs., 1/16" and 1/8".

Papers in the foregoing sizes are furnished in 36", 24" and 18" widths. The 36" width is furnished in both 50 and 100 pound rolls, and the other widths in 50 pound rolls.

At a recent meeting of the Asbestos Paper and Millboard Association it was voted to meet the demands of consumers by supplying asbestos paper in accordance with the foregoing requirements.

The following standard sizes have therefore been approved by the Asbestos Paper Industry, and will appear in the next issue of the Department of Commerce Simplified Practice Recommendation No. 19, 1928:

A S B E S T O S

Table No. 1—Asbestos Paper.

Weight of Rolls Pounds	Width of Rolls Inches	Weight per 100 sq. ft. Pounds	Thickness Inch
100	36	8, 10, 12, 14, 16	1/16, 1/8
50	24	8, 10, 12, 14, 16	1/16
50	18	8, 10, 12, 14, 16	1/16

Table No. 2—Asbestos Millboard.

Size of Sheet Inches	Thickness of Sheet Inch
42 x 48	1/16, 1/8, 1/4, 1/2

A New Book on Asbestos.

We have mentioned in a previous issue the book published in German by Becker & Haag on Asbestos, its sources, extraction, preparation, manufacture and uses in industry and engineering.

An English edition of this book has now been issued, and should be added to the bookshelves of anyone who is collecting a library on asbestos.

Any *Asbestos Manufacturer* can obtain a copy of the book, in English, by simply requesting it of Becker & Haag. Others will be supplied a copy at the nominal price of \$3.00.

Orders can be placed direct with Becker & Haag (whose address is Bernburgerstr. 31, Berlin, S. W. 11, Germany) or "ASBESTOS" will be glad to handle orders for you. We suggest that you mention "ASBESTOS" when placing orders direct.

We are in the market for
Crude Asbestos Fibre of All Kinds
and have for sale
Metallic Yarn Waste

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HARTFORD **CONN.**

Asbestos Corporation Limited



*The Largest Producers of
Raw Asbestos in the World*

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PAPER STOCKS

MILL BOARD STOCKS

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CORRUGATED
SHEETS
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BY THE BELGIAN RAILWAY
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THEIR QUALITY.

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QUOTATIONS, LITER-
ATURE and SAM-
PLES SUBMITTED TO
ANYONE INTER-
ESTED.

The General Situation.

Now with the election decided so favorably for the business world, it seems to be the general prophecy that business will continue to prosper.

There is a general prediction also that the last quarter of this year will be unusually prosperous. "Moreover," says one authority on general business conditions, "for the first time in this period of prosperity which has lasted now for nearly a half dozen years, commodity prices are showing a tendency to advance and profit margins in most industries are widening.

Asbestos—Raw Material.

The raw material situation in Canada sees very little change, with the exception that remarkably bad weather has been experienced there most of the summer and production has fallen off accordingly.

Dr. Mattison's interest in the Arizona field is indicative of further development there, while almost every mail brings

ASBESTOS

CONDITIONS

fresh news of development in Africa.

Manufactured Asbestos Goods Textiles.

Our friends in the Textile business tell us that demand for this product is very satisfactory, but that the price levels are too low for the procurement of a satisfactory profit. It is true that several textile manufacturers have been showing in their published reports very satisfactory earnings, but there are now, and always have been a number of serious inconsistencies in the pricing of various qualities and weights of Yarn which have the effect of materially influencing profit.

Undoubtedly the Asbestos Textile Industry could very profitably take a lesson from many other major industries which have adopted uniform cost finding practice, the operation of which has invariably shown the fallacy of guesswork costing and pricing the products of a mill where many hundreds and perhaps thousands of different weights and qualities of material are pro-



TRADE MARK

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**Asbestos Cement
Shingles
Lumber
Corrugated Sheets**

"GIFFA"

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Wall Lining
(patented)**

The best imitation of
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"l'Everite"**

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nr. Paris
and Bassens nr.
Bordeaux
(France)**

ASBESTOS

duced.

Paper and Millboard.

The demand in these lines is very satisfactory, in fact some of the manufacturers are unusually busy. Volume is good; prices steady.

Insulation—Magnesia.

The market in Magnesia continues firm. Orders are being booked in fair volume; production is at about normal capacity. One large manufacturer has a published schedule based on 63% off standard list, f. o. b. factory for the consuming trade. Another manufacturer uses for spot quotations a schedule of prices in various zones which are quoted f. o. b. factory full freight allowed, thus providing to the buyer automatically a price which is delivered to his railroad station. Still another manufacturer uses a combination of these plans for quoting in national markets.

Insulation—Aircell.

Bookings of business are, as usual at this season of the year, fairly satisfactory and the market appears to be fairly steady. Owing to decidedly different policies followed by the several aircell manufacturers, particularly with respect to delivery, there is afforded to the buyer a wide range of choice but as is usual in practically all commodity markets the price level works out to about the same thing. Our observation of uncontrolled markets, subject to open competition with no control is that fairly uniform price levels are established by the operation of the law of supply and demand.

Shingles.

The ordinary market for shingles is naturally narrowing at this season of the year. There are a number of fairly large housing developments underway by industrial companies, calling for rather large quantities of shingles, and it is probable that as the years go by we will have a better winter market than in the past. This will be due to the fact that these large industrial concerns realize the economies to be secured by building thru the winter if weather conditions will permit. Much of this industrial housing activity is noticed in the south where the weather is not so severe as to entirely curtail outdoor operation.

— A S B E S T O S —

"CAPE" BLUE ASBESTOS

POSSESSES

DURABLE & NON-CONDUCTING QUALITIES
unequalled by any other asbestos, besides which it has:

- (1) Greater tensile strength
- (2) Greater specific volume
- (3) Greater resiliency

SPECIALTIES:—

ALL CHEMICALLY PURE i. e. 100% ASBESTOS

"Pluto" Blue Asbestos **Mattresses** for Locomotive
and Marine Boilers, etc.

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'Bluejacket' **Sectional Covering** for steam pipes
(100% Asbestos)

THE RAW MATERIAL IS GRADED AS
FOLLOWS:

"S" Crude from $\frac{1}{4}$ in. to $\frac{1}{2}$ in. in length of fibre

"A" Crude from $\frac{1}{2}$ in. to $\frac{3}{4}$ in. in length of fibre

"B" Crude from $\frac{3}{4}$ in. upwards in length of fibre

*Prices for Crude can be obtained on applica-
tion direct to the Cape Asbestos Co. Ltd.*

The Cape Asbestos Co
Limited
Morley House 28-30 Holborn Viaduct London E.C.1.
Factory, Barking, Essex

Telegrams:— "Incorrupt," London. Telephone City 6937

Sole Representatives for the sale
of blue manufactured goods in
America.

The United States Asbestos Co.
Manheim,
Penna.

ASBESTOS



This page devoted each month to the discussion of brake lining activities by the Asbestos Brake Lining Association

At the last meeting in October of the Asbestos Brake Lining Association, very interesting and helpful information and advice was received from Markham Flannery of the Federal Trade Commission relative to the Code of Ethics which the Association has had under consideration during the past year. It is believed that this Code will very shortly be in definite form to be submitted for approval by the Federal Trade Commission and it is confidently expected that the results to be secured by adoption of this Code of Ethics will be of the utmost benefit to the automotive industry.

The trade will be much interested to learn that the Association has decided to publish their Brake Lining and Clutch Facings Data Book for 1929 in a larger size to permit insertion into Kalamazoo binders, adopting the standard size approved by the Automotive Equipment Association.

An additional step forward to make this book more valuable to the entire industry was taken by the unanimous approval of the members to include brake drum diameters and the type of patented brake system which will be employed on specific models of cars and trucks, and it is believed that this additional information will be of a great deal of service to all service stations and repairmen.

AUTOMOBILE PRODUCTION

Automobile production dropped off slightly in September, the totals for that month being 434,915 motor vehicles produced in the United States and Canada (413,722 in the United States and 21,193 in Canada). Of these 375,444 were passenger cars and 59,471 came under the truck classification.

Total production for August was 492,601 motor vehicles; for September 1927, 271,649.

Estimated production for October was 397,000 motor vehicles, 8% under September.

FOR SALE: Two asbestos mining claims containing forty acres chrysotile asbestos suitable for paper or roofing. Address H. Favot, Moccasin, Calif.

— A S B E S T O S —

ASBESTOS FABRICS *and* YARNS

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HIGH PRESSURE STEAM
PACKINGS AND FRICTION
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MADE TO SPECIFICATIONS

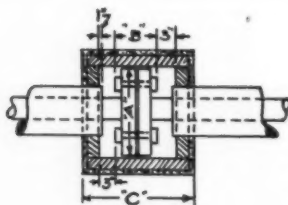
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We Solicit Your Inquiries

UNION ASBESTOS & RUBBER CO.

18th & So. 54th Ave., Cicero, (Chicago) Ill.

A S B E S T O S



Standard Weight Flange Areas
Removable Type.

Pipe Size I.D.	Pipe Size O.D.	O.D. Flange "A"	Length of Bolt "B"	Cin. of Flange inches	Length of Cover on Pipe 2" Thick "C"	Sq. ft. Mesh	Sq. ft. Blocks 1 1/2" Average	Sq. ft. Content 1/2" Thick over 1" Blocks	Sq. ft. Content 1/2" Thick over 1 1/2" Blocks	Sq. ft. Content 1/2" Thick over 2" Blocks
2 1/2	2 3/4	7	2 3/4	22	12 1/4	1.6	2.7	3.4	4.1	4.4
3	3 1/2	7 1/2	3 3/8	23.5	12 1/2	1.7	3.	3.6	4.3	4.8
3 1/2	4	8 1/2	3 3/4	26.7	12 3/4	1.9	3.3	3.8	4.5	5.
4	4 1/2	9	3 1/2	28.3	12 3/4	2.2	3.5	4.1	4.8	5.3
4 1/2	5	9 1/2	3 3/4	29.	13	2.4	3.6	4.3	5.	5.5
5	5 1/2	10	3 3/4	31.4	13	2.5	3.9	4.5	5.3	6.
6	6 3/8	11	3 3/4	34.5	13	2.9	4.2	4.8	5.6	6.2
7	7 7/8	12 1/2	3 3/4	39.3	13	3.2	4.6	5.3	6.2	6.8
8	8 7/8	13 1/2	4	42.4	13 1/4	3.6	5.	5.8	6.8	7.5
9	9 7/8	15	4	47.	13 1/4	4.	5.8	6.3	7.4	8.2
10	10 3/4	16	4 1/4	50.	13 1/2	4.8	6.5	6.8	8.	8.8
12	12 3/4	19	4 1/2	59.7	13 3/4	5.6	8.	8.3	9.7	11.
13	14	21	5 1/2	66.	14 1/4	6.4	9.	9.7	11.4	12.5
14	15	22 1/2	5 1/4	70.	14 1/4	7.2	9.5	10.4	12.2	13.5
15	16	23 1/2	5 1/4	73.8	14 1/4	8.	10.1	11.	13.	14.3
	18	25	5 3/4	78.5	14 3/4	9.4	11.	12.5	14.7	16.2
	20	27 1/2	6	86.4	15	10.7	12.5	14.	16.5	18.2
	22	29 1/2	6 1/2	92.7	15 1/2	12.	14.	15.5	18.2	20.
	24	32	6 1/2	100.5	15 1/2	13.3	15.5	17.	20.	22.
	26	34 1/2	6 3/4	108.3	15 3/4	14.6	17.	18.4	21.6	23.7
	28	36 1/2	7	114.6	16	15.4	18.	19.4	22.8	25.
	30	39	7 1/4	122.5	16 1/4	17.	19.5	20.4	24.	26.4

— A S B E S T O S —

CONTRACTORS AND DISTRIBUTORS PAGE

STANDARD WEIGHT FLANGE AREAS—REMOVABLE TYPE.

The table on the opposite page, for figuring material requirements of removable and replaceable type flange covers, is used in the same manner as the one which we published in our September issue for Standard Weight Flange Areas, Permanent Type, with the addition of an area including the mesh wire frame requirements under the insulation.

For instance, for ten 6" flanges to be insulated in a removable type, the material requirements would be found as follows:

Follow horizontally the 6" size to the vertical column indicating square feet of mesh. There you will find 2.9, the area for one flange, or a total for the ten of 29 square feet.

Following this 6" size horizontally to the vertical column indicating the square foot blocks 1- $\frac{1}{2}$ " average, you find an area for one of 4.2 square feet, or for the ten, of 42 square feet of Blocks.

The next vertical column indicates the square feet cement $\frac{1}{2}$ " thick over 1" blocks, which in this case is 4.8 square feet, or for ten, 48 square feet $\frac{1}{2}$ " thick cement (approximately one 100 lb. bag).

This table has been found by the Asbestos Board of Trade of New York, to be quite convenient, and we are glad to publish it for the benefit of our readers who have figuring of this sort to do.

WAGE NOTES

"Wage Scale changes in the building trades during September and effective October 1st," says the American Contractor, "continued to show the same slight upward tendency that has been the only feature of the stabilized labor situation this year Increases that brought scales up to peak rates were established during the month by the steam fitters in St. Louis, the rate being advanced to \$1.62 $\frac{1}{2}$. The other increases did not bring rates of any craft permanently to or above the highest prevailing levels."

No increases have been reported to us of changes in wage scales of Asbestos Workers.

ASBESTOS

Offers required in any quantities for Great Britain and European Markets from Producing Companies, Merchants or Agents. Any reasonable terms arranged. Reply to S. Rhys, 59/60 Mark Lane, London, E. C. 3.

A S B E S T O S



IMPORTS AND EXPORTS



Imports into U. S. A.

Unmanufactured Asbestos.

	Sept. 1927		Sept. 1928	
	Tons (2240 lbs.)	Value	Tons (2240 lbs.)	Value
Africa (Br. S.)	445	\$ 68,516	107	\$ 18,906
Africa (Port. E.)	134	34,665	103	32,026
Africa (Other Port.)	18	4,105	...	...
Australia .....	..	...	24	9,375
Belgium .....	...	...	98	16,020
Canada	17,056	568,231	17,317	574,556
Germany	206	60,077	191	53,593
India (Br.)	3	88	...	...
Netherlands .....	...	...	32	12,184
United Kingdom	22	2,355	65	10,218
	17,884	\$738,037	17,937	\$726,878

Tabulation of Crude only:

Africa (Br. S.)	334	62,225	105	18,856
Africa (Port. E.)	134	34,665	103	32,026
Africa (Other Port.) ...	18	4,105	...	...
Australia .....	..	...	24	9,375
Canada	551	138,848	386	102,135
Germany	206	60,077	191	53,593
Netherlands .....	...	...	32	12,184
United Kingdom .....	...	...	29	8,409
	1,243	\$299,920	870	\$236,578

The balance of the material imported during September 1928, consisted of 98 tons of Mill Fibre valued at \$16,020 from Belgium, 9 tons of Mill Fibre valued at \$1,253 from the United Kingdom and 6,684 tons of Mill Fibre, valued at \$304,485 from Canada; also 27 tons of Shorter Grades valued at \$556, from the United Kingdom, 2 tons of shorter grades valued at \$50 from British South Africa, and 10,247 tons of shorter grades, valued at \$167,936 from Canada.

Asbestos Fibre

*for the manufacture
of*

Roofing Cements • Fibrous Paints

Filtration Packings

Asbestos Shingles and Lumber

Insulating Cements

Asbestos Paper • Pipe Coverings

Asbestos Millboard

High Temperature Cements

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Office and Mines

EAST BROUGHTON, PROVINCE of QUEBEC
CANADA

A S B E S T O S

Manufactured Asbestos:

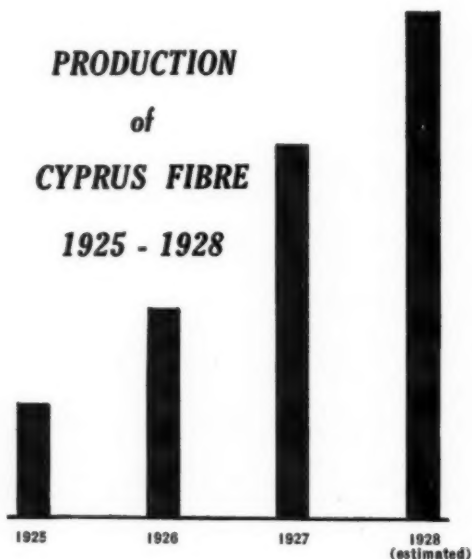
	September 1927		September 1928	
	Tons (2240 lbs.)	Value	Tons (2240 lbs.)	Value
<i>Yarn—</i>				
Germany .....	...	...	1,151	\$ 958
United Kingdom	17,181	8,855	11,038	4,001
<i>Fabrics, Woven—</i>				
United Kingdom	764	956	11,418	4,370
<i>Packing, Fabric—</i>				
Canada	167	129	...	...
Germany	336	96	...	...
United Kingdom	588	203	...	...
<i>Packing, not fabric—</i>				
France	1,015	216	...	...
Germany	13,051	3,086	640	204
United Kingdom	2,797	1,294	3,578	1,345
	16,863	4,596		
<i>Paper and Millboard—</i>				
Belgium .....	...	...	514	45
<i>Shingles, Slate, Wood and Lumber—</i>				
Belgium	1,378,365	21,158	1,173,168	21,056
Canada	60	5	1,614	119
France	1,581,812	26,171	396,814	5,751
Germany	368,774	6,892	422,695	7,982
Italy .....	...	...	13,865	262
Netherlands	391,696	6,594	1,295,940	23,101
	3,720,707	\$60,820	3,304,096	\$58,271
<i>Asbestos Cement—</i>				
Canada	4,017	281	22,110 ¹	2,356
<i>Other Manufactures—</i>				
Austria	5,021	1,227	...	...
Belgium .....	...	...	3,417	377
Canada	46,805	1,920	...	...
France	450	60	...	...
Germany	54	85	50	7
United Kingdom	7,506	10,512	812	461
	54,815	\$12,577	4,279	\$ 845
<i>Grand Total</i>	<i>3,820,459</i>	<i>89,740</i>		

¹We have asked the Department of Commerce to confirm this item.

— A S B E S T O S —

CYPRUS ASBESTOS COMPANY
LIMITED

PRODUCTION
of
CYPRUS FIBRE
1925 - 1928



SOLE SELLING AGENTS

CYPRUS TRADING CORPORATION, Ltd.
49 ST. JAMES'S STREET, LONDON, S. W. I.

A S B E S T O S

Shingles, Slate, Wood and Lumber—By Districts.

	September 1928	
	Pounds	Value
Florida	100,100	\$ 1,531
Galveston	775,894	14,124
Georgia	71,003	1,092
Massachusetts	168,150	2,603
Mobile	499,893	7,884
New York	1,017,478	19,382
New Orleans	349,965	5,538
Ohio	32,340	1,061
Philadelphia	287,659	4,937
St. Lawrence	369	29
Vermont	1,245	90

Previous month (August 1928) 3,304,096 \$58,271

See October number 2,590,399 \$43,195

Exports from U. S. A.

Exports of unmanufactured asbestos during August¹ 1928 amounted to 89 tons, valued at \$39,453, as compared with August 1927 when 43 tons, valued at \$3,203 were imported.

Exports of manufactured Asbestos goods:

	August 1927		August 1928 ¹	
	Pounds	Value	Pounds	Value
Paper, Mlbd. & Rlbd.	119,002	\$14,262	120,560	\$ 8,637
Pipe Covg. & Cement	465,277	19,589	541,418	31,403
Textiles, Yarn & Pkg.	127,421	67,762	127,304	79,413
Brake & Clutch Lin'g	45,193	28,678	722,940 li. ft.	127,236
Magnesia & Mfrs. of..	449,490	27,671	443,772	29,142
Asbestos Roofing.....	3,703 sqs.	34,936	3,695 sqs.	37,795
Other Manufactures..	179,610	20,432	404,511	47,249

¹One month behind imports.

Exports of Raw Asbestos from Canada.

	September 1927		September 1928	
	Tons	Value	Tons	Value
	(2000 lbs.)		(2000 lbs.)	
United Kingdom	1,000	\$ 65,450	480	\$ 34,325
United States	6,352	399,617	7,068	393,203
Australia	100	7,000	...	...
Belgium	690	46,950	159	11,550
Denmark .....	...	...	40	5,000
France	550	44,800	305	17,725
Germany	2,382	187,630	1,360	121,227
Spain .....	...	...	44	3,080
Italy .....	...	...	595	43,274
Japan	340	16,350	243	15,175
Netherlands	226	26,000	215	13,225
	11,640	\$793,797	10,509	\$657,784

A S B E S T O S

Sand and Waste—

United Kingdom	255	5,850	400	6,750
United States	12,233	179,675	10,270	167,242
Belgium	65	975	60	1,500
France	70	1,375	60	1,050
Germany	385	9,705	380	9,000
New Zealand	3	30
Netherlands	140	2,600	100	2,500

	13,148	\$200,180	11,273	\$188,072
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Grand Total	24,788	\$993,977	21,782	\$845,856
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Imports and Exports by England.

Imports of Raw Material.

	September 1927		September 1928	
	Tons	Value	Tons	Value
	(2240 lbs.)		(2240 lbs.)	
From Rhodesia	1,518	£43,370	782	£25,802
From Canada	1,081	16,636	603	11,951
From Other Countries	302	8,466	577	16,439
	2,901	68,472	1,962	54,192
Re-Shipments	456	13,692	232	9,980

Exports of Manufactured Asbestos Goods.

To Netherlands	42	£ 4,313	112	£ 7,176
To France	39	5,296	49	7,114
To United States of America	21	3,666	15	2,347
To British India	899	17,853	701	14,563
To Australia	38	6,732	41	6,302
To Other Countries	1,947	67,757	1,740	66,993
	2,986	£105,617	2,658	£104,495

BUILDING

Reports of contracts awarded during September show a decrease in number of projects and in square footage, but a gain in valuation over August. During September there were contracts awarded for 15,653 projects, with a square footage of 75,795,500, and a valuation of \$587,674,000. The August figures were 17,947 projects, 78,873,000 square feet of floor space, and \$516,970,200 valuation.

A comparison of the first nine months (January 1st to October 1st) for the last four years shows a decided gain in 1928 over the other three. The figures are

Contracts Awarded first 9 months 1928 —	\$5,132,944,000
Contracts Awarded first 9 months 1927 —	4,796,482,000
Contracts Awarded first 9 months 1926 —	4,840,779,000
Contracts Awarded first 9 months 1925 —	4,472,534,000

October construction, according to preliminary reports, was 3% ahead of September and 6% higher than October of last year.

— A S B E S T O S —



Africa (Rhodesia).

Bulawayo District.

July 1928
Tons Value
(2000 lbs.)

Nil Desperandum (Afr. Asb. Mng. Co. Ltd.)	771	£17,074	10	0
Nil Desperandum Adjustment Apr. 1927 to Mar. 1928		18,319	19	1
Norma (United Mining & General Trust Ltd.)	31.13	622	12	0
Shabanie (Rho. & Gen. Asb. Corp. Ltd.)	1,726.29	34,525	14	0

Lomagundi District.

Ethel (Union & Rhod. Tr. Ltd.)	42.08	840	0	0
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Victoria District.

Gath's (R. & Gen. Asb. Corp. Ltd) ..	705.16	14,103	4	0
King (R. & Gen. Asb. Corp. Ltd.) ..	360.22	7,204	8	0
	3,635.80	92,690	7	1

Less overdeclared on adjustment to 3/31/27—Gath's		783	17	10
---	--	-----	----	----

Total	3,635.80	91,906	9	3
Production during July 1927 ...	2,770.18	79,009		

Africa (Union of South Africa)

July 1927 July 1928
Tons Value Tons Value
(2000 lbs.) (2000 lbs.)

Transvaal.

Amosite	467.50	£ 4,753	444.00	£ 4,440
Chrysotile	11.00	82	...	90 ¹
Blue	1,621.00	25,101	778	14,880

Cape.

Blue	498.25	10,757	299.32	6,483
	2,597.75	£40,693	1,521.32	£25,893

¹Balance of Previous sale.

Cyprus

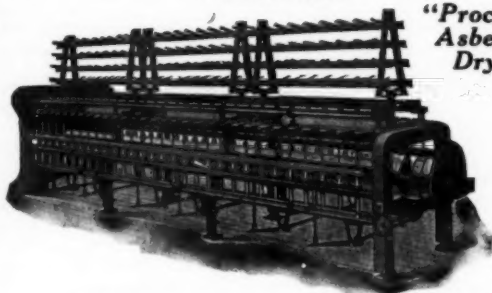
September 1928	1,482 tons (2240 lbs.)
September 1927	1,427 tons (2240 lbs.)

ASBESTOS

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NEWS OF THE INDUSTRY

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BELGIUM

Bentley's Code Used

DETON & MOLLITH, S.A. - MOLL.

Telegrams "Mollith Moll"

Birthdays. Our birthday list this month contains the names of the following gentlemen: Richard V. Mattison, M. D., President, Keasbey & Mattison Company, and affiliated companies, whose birthday date is November 17th; F. R. Anderson, Vice President and Treasurer of the Sall Mountain Company, Chicago, Ill., November 24th; John W. Latchum, Chairman of the Board of Directors, Eternit, Inc., St. Louis, Mo., November 28th; S. J. Gillis, Asst. Secy. and Mgr. Marine Sales, Plant Rubber & Asbestos Works, (recently purchased by Paraffine Companies, Inc.) San Francisco, Calif. November 26th; S. P. Moffit, Sales Manager, Eternit, Inc., St. Louis, Mo., November 29th; C. A. Wright, General Manager, Plant Rubber & Asbestos Works, San Francisco, Calif., December 4th; R. W. Potter, President, H. F. Watson Company, Erie, Pa., December 5th; Kenneth MacLellan, Managing Director, George MacLellan & Co., Ltd., Glasgow, Scotland, December 8th; and Peter MacLellan, Sr., Chairman of Board of Directors, George MacLellan & Co., Ltd., Glasgow, Scotland, December 15th.

We extend to all these gentlemen our hearty congratulations and best wishes.

"The Story of Asbestos" is a very attractive little twenty page booklet, recently published by the Philip Carey Company, of Lockland, Cincinnati, Ohio. A copy of this booklet may be obtained from this office by anyone interested, or a request addressed directly to the Philip Carey Company will be promptly granted.

Plant Rubber & Asbestos Works. Announcement was made in the October issue of the purchase by Paraffine Companies, Inc., of the Plant Rubber & Asbestos Works. While the entire capital stock of the Plant Rubber & Asbestos

— A S B E S T O S —

POSITION WANTED

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stock Jaton Cloth to take the place of ordinary canvas where a finished job is required eliminating painting.

ASHER WALTER, Sales Agent, Jaton Mfg. Corp.
26 CORTLANDT ST., NEW YORK

A S B E S T O S

Works has been absorbed by the Paraffine Companies, Inc., the company will continue to be operated under the same name as formerly, and with the same organization. Present officers and Directors are: Sidney L. Plant, President; R. H. Shainwald, Vice President; C. C. Gibson, Secretary and Treasurer; J. B. McCargar, W. H. Lowe and Charles A. Wright, Directors. Charles A. Wright is also General Manager.

It is understood that Sidney L. Plant, President, will probably retire, and Charles A. Wright, present manager, will continue in that capacity.

Paraffine Companies, Inc., publish for the benefit of employees, stockholders and the general public, a bi-monthly magazine "The Pabco World," and the Editor has been kind enough to place "ASBESTOS" on his mailing list to receive "The Pabco World" regularly.

Johns-Manville Corporation. Consolidated net profit of Johns-Manville Corporation and subsidiary companies, for the third quarter of the year was \$1,722,451, after all charges and Federal income taxes, compared with \$1,600,438 for the preceding quarter and \$772,705 for the first quarter of the year. For the first nine months of the year consolidated net profit amounted to \$4,095,595.

Niagara Asbestos Corporation, Buffalo, N. Y., have recently been appointed by the Johns-Manville Corporation, Approved Contractors for their Asbestos and Magnesite Coverings, and have accordingly moved into the Johns-Manville Building at 206-208 Main Street, Buffalo.

Rhodesian & General Asbestos Corporation publish annual report for the year ended March last, comparing with the two previous years.

	Ending Mar. 1926	Ending Mar. 1927	Ending Mar. 1928
Profits	£246,304	£291,861	£268,925
To depreciation	10,688	20,622	33,672
Net profit	223,241	244,859	195,244
Dividend	20%	20%	25%
Forward	83,795	99,153	34,090
Issued capital	980,000	1,000,000	1,049,994
Creditors	74,510	75,513	116,580
Taxation reserve .....	.....	25,000	24,000
Depreciation Fund	58,943	78,988	112,327
Reserve Fund	21,807	61,912	187,896
Properties	768,749	768,763	769,521
Machinery, etc.	82,299	144,534	247,433
Buildings	53,186	70,346	113,679
Stores	48,978	53,896	63,457
Debtors	137,137	131,067	170,454
Asbestos Stocks	73,856	45,983	52,354
Cash	148,763	144,323	79,665
Investments	861	60,104	85,555

— A S B E S T O S —

This Company, it will be remembered is owner of the Shabanie Mine and the Mashaba Group (Gath's and King).

Frank J. Lunn, Manager of the Bear Canyon Asbestos Company, Arizona, has very kindly sent us a map of Gila County, Ariz. This map is very complete, and we are glad to add it to our collection of maps of Asbestos producing countries.

African Asbestos Trust Limited. Specimens of Asbestos taken from the Farm Kalkkloof, owned by African Asbestos Trust Limited, have reached us during the past month. Some of these show a very long, fine, chrysotile fibre, others are interesting because they show the "ribbon" formation common to many deposits of chrysotile in Africa.

Chrysotile Asbestos Co., Ltd. It is stated that the prospecting and development work at this Company's property has been placed in the hands of a competent mining man with experience in asbestos, under the supervision of S. Kennedy. It has been established that there are three distinct horizons of fibre with economic promise in the hill which is the main feature of the property. Development is being confined at present to the original horizon but the others will shortly receive further investigation. Reports from the property are consistently favorable and the quality of the fibre, together with the extent of the outcrops traced, suggests a successful future for the venture. The Board of the Company at present comprises Dr. T. C. Visser, M. L. A., A. R. R. Weedon, Thos. Creig, F. Widdicombe and J. N. Swanepoel. Working capital has been freely subscribed privately.

"The Amosite Deposits of the Transvaal" is the title of an article which appears in the August 25th issue of the South African Mining & Engineering Journal.

Turner Brothers Asbestos Company and Bell's United Asbestos Co. Quite the sensation of the month has been newspaper confirmation of previous remarks to the effect that these two important asbestos manufacturing firms had joined forces. Details of the terms of amalgamation have not yet been made public, but particulars are promised within the next few days. Already the quotations for the shares on the London Stock Exchange have appreciated considerably. It will be remembered that some months ago the fusion of the Bell's United Asbestos Company with the British Fibrocement Company was announced, which brought the combined capital of the Bell's United Asbestos Company to over a million pounds. The capital of Turner Brothers' Company stands at £4,000,000. The largest asbestos manufacturing concern now outside this combine is that of the Cape Asbestos Company Limited, whose business very largely consists of blue and amosite specialities, which are not therefore so likely to be affected as might appear probable at first sight.

Australian and General Asbestos Company. The quality of

— A S B E S T O S —

fibre found on the deposits controlled by this company is said to be a very high class spinnable material. The main difficulty in working Australian properties is transport.

Rhodesian Asbestos Trust. was registered on September 12, 1928, with a nominal capital of £100 in 5/- shares. The names of the first directors have not yet been published. The registered office is 9, Basinghall Street, London, E. C. 2.

African Asbestos Trust. A small consignment of 4½ tons from this property recently was shipped to London. It is reported that a pilot plant to handle 5 tons of ore an hour has been ordered by this concern, and it was expected to be in operation by the end of October.

African Chrome Mines. This company was registered in London as a private company on August 4th, with a nominal capital of £800,000, in £1 shares. The objects are to acquire mines, etc., in Africa or elsewhere and to adopt agreements "inter alia" with the Rhodesia Chrome and Asbestos Company, Limited. The first Directors are Sir Edmund Davies, Sir Abe Bailey Bt. and Sir Sidney H. Boileau.

Soanesville Asbestos Company Limited. This company was registered as a private company on October 11th, 1928 with a nominal capital of £50,000 in 2/- shares. The objects are to acquire any asbestos from mining properties, etc. The first Directors are R. Bleloch, Mining Engineer, and P. Tarbut, Mining Engineer. Registered office is at 18 St. Swithin's Lane, London, E. C. 3.

Slade Products, Inc., of New York City, announce as of November 1st, the incorporation of their Company under the new name "Slade Asbestos Corporation."

The management and the general policy of the new Company will be exactly the same as formerly, and its program provides for increased manufacturing facilities and greater production.

Standard Asbestos Company, Limited, has been formed in Johannesburg to acquire an option to purchase an area equal to approximately 3,500 claims in the Pietersburg District. The claims are situated on the farms Cork and Eton, and there is also the right to acquire a lease from the Government over the farm Gemini. The properties are in the vicinity of the Mafes Native Reserve. Development work has been commenced, and it is said the properties have been favorably reported upon by W. H. Jones, M. I. M. E. The registered capital of the Company is £15,000, divided into shares of 2s 6d, each. Of this £5,000 is held in reserve. The first directors are P. G. Heywood, L. Zagury and Arthur Pratt.

S. A. Consolidated Asbestos. It is reported that great progress has been made in opening up one section of this property, which is in the Malipsdrift area. A comprehensive report of the operations of the Company will, we are told, be issued at an early date.

— A S B E S T O S —

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WHITE ASBESTOS**

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NIL DESPERANDUM MINE
Shabani

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SUPERFINE QUALITY
THE PRODUCT OF
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THE PRODUCT OF
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— A S B E S T O S —

L. Scheerders-Van Kerchove. This company during October has been constituted into a Limited Company (Societe Anonyme) with fully paid up capital of Frs. 20,000,000. This Company being rather a family Company, the capital has been figured at a lower level than the actual value which is nearly double that figure.

Mr. L. Scheerders-Van Kerchove is president and managing director, and the policy of the firm will therefore remain as in the past—to offer for sale a really good product at a decent price, and build up a trade on satisfied customers rather than on low prices.

The name of the new Company is Scheerders- Van Kerchove United Company (Ste. An.) Address is the same as previously, St. Nikolaas-Waas, Belgium.

R. P. Doucet, General Manager of Asbestos Corporation, Limited, Thetford Mines, P. Q., Canada, will return from Europe the latter part of this month.

Elandsfontein "Blue" Asbestos property is installing a Holman portable compressor plant. This property is about 60 miles north of Prieska.

The Dominion Asbestos Company, Limited, of Kuruman is reported to be buying machinery for crushing rock containing short blue fibre.

The Eureka Packing Company and Braiding & Packing Works of America, Inc., have been merged, the Braiding & Packing Works of America having purchased the Trade-Mark and rights to manufacture Genuine Eureka Oval Gum Core Packing (and other fibrous packings) with the original secret compound and specifications. The Eureka trade-mark has been known since 1878, as a symbol, a guarantee of quality and splendid service. The address is 250-253 46th Street, Brooklyn, N. Y.

The Raybestos Company of Bridgeport, Conn., had an exhibit at the Annual Convention and Exhibition of the National Standards Parts Association, held in Cleveland, Ohio, October 29th to November 2nd, inclusive.

The Raybestos Company have within the past few months, added new equipment to their line, and are offering a Raybestos Brake Tester, Raybestos Drum Lathe for passenger cars, No. 4 Combination drilling and countersinking machine, riveter, rack for rivets and stock of rivets, C. & G. Super Wheel Puller with complete set of 24 adapters, and 500 feet of Silver Edge Raybestos Brake Lining, for the sum of \$1,375. Included with this equipment are merchandising helps helping to sell brake service to owners.

Circulars illustrating this equipment, and fully describing it, will be gladly furnished upon request.

Thomas R. Johnston, one of our old asbestos friends has recently opened an office in Sherbrooke for the selling of mining stocks. He offers to send to any reader of "ASBESTOS," the semi-monthly review published by the Williams, Brochu & Co.,

— A S B E S T O S —

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WOVEN SHEET PACKINGS

WOVEN BRAKE LININGS

GLOVES, MITTENS, LEGGINS

GASKETS, SEAMLESS AND JOINTED

PACKINGS, STEM AND HIGH PRESSURE

WICK AND ROPE

ASBESTOS FIBRE SPINNING COMPANY

NORTH WALES, — PENNA.

— A S B E S T O S —

and entitled "Keystone Industries." This can be obtained by addressing Thomas R. Johnston, Oliver Building, Sherbrooke, P. Q., Canada.

R. Wild, formerly of the United States Asbestos Company, Manheim, Pa., has recently associated himself with the Union Asbestos & Rubber Company of Chicago.

A. S. Royal, Manager of the Philadelphia Branch Office of the Johns-Manville Corporation, is seriously ill at the Hahnemann Hospital, Philadelphia. Our best wishes are extended to Mr. Royal for his recovery.

The United Insulation Co., Inc., Engineers and Contractors for roofing, hot and cold insulation and other allied materials, with headquarters at 525 Main Street, Hartford, Conn., has been organized by Samuel S. Gray, who is Treasurer of the Company. A. C. Goddard is President.

Mr. Gray was formerly assistant treasurer and director of the Lotz Asbestos Company of Hartford.

Philip Carey Mfg. Company of Cincinnati, O., has just announced that it will shortly construct at its Lockland, Ohio, works, a boiler and power plant designed for 1800 lb. steam pressure. This will be the highest steam pressure ever used in America and the plant will be the largest high pressure steam plant in the world. W. E. S. Dyer, Consulting Engineer, Philadelphia, will design and have charge of the construction.

PATENTS

Process and Apparatus of Making Asbestos Yarn. No. 1,681,234. Granted on August 21st, to John Allen Heany, New Haven, Conn., assignor to Worldbestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed July 27, 1923. Serial No. 654,117. Renewed January 12, 1928.

Described as process of making Asbestos Yarn which comprises forming a pulp from asbestos material, withdrawing said asbestos material from said pulp in the form of a felted strip or band, and advancing said strip or band, pressing the strip or band as it advances, moistening the strip or band as it advances, advancing a filament with the advancing strip or band and forming the strip or band around the filament to form a strand and twisting the advancing strand into a yarn.

Clutch Disc. No. 1,681,371. Granted on August 21st, to Edward Slade, New York. Filed May 9, 1923. Serial No. 637,622.

A clutch disc or lining comprising an annular fabric member, the weft strands of the fabric consisting of at least two strands of twisted asbestos fibre wrapped together, the warp strands consisting of wire interwoven with the weft strands in undulated form, so as not to substantially penetrate the weft strands, the warp and weft extending diagonally with respect to the radii of the annular member.



A S B E S T O S

Process of Treating Asbestos Ore. No. 1,684,365. Granted on September 11th, to Samuel H. Dolbear, New York City. Assignor to Selective Treatment Company, Limited, Montreal, Canada. Filed June 5, 1924. Serial No. 717,385, and in Canada Sept. 20, 1923.

Method of treating Asbestos Ore which consists of reducing and separating the same in pencil-like form from associated rock.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

Of "Asbestos" published Monthly
at Philadelphia, Pa. for October 1924.
STATE OF Pennsylvania
COUNTY OF Philadelphia

Before me, a Justice of the Peace in and for the State and county aforesaid, personally appeared A. J. Pomeroy who, having been duly sworn according to law, depose and say that he is the Editor of the "Asbestos" (Insert title of publication.) and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 411, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are:

Publisher Selective Treatment Company 1701 Market St. Philadelphia
Editor A. J. Pomeroy Same Building
Managing Editor A. C. Cox 1134 S. 2nd St. Philadelphia
Business Manager A. C. Cox

2. That the owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding one per cent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a firm, company, or other unincorporated concern, its name and address, as well as those of each individual member, must be given.)

Selective Treatment Company
1701 Market St.
Philadelphia, Pa.
A. C. Cox 1134 S. 2nd St. Philadelphia

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.)

None

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is—
(This information is required from daily publications only.)

Sworn to and subscribed before me this 25th day of Sept 1924.
[Signature of A. J. Pomeroy]
[Signature of A. C. Cox]
My commission expires March 2 1925.

Form 1028—7-21-1924.

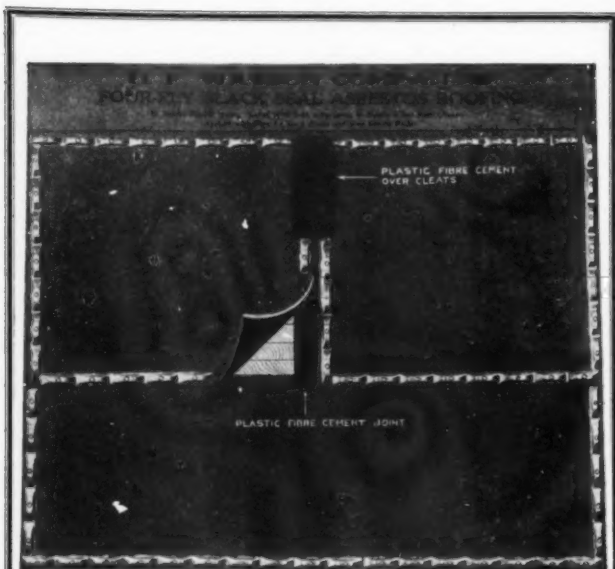
NOTE.—This statement must be made in duplicate and both copies delivered by the publisher to the postmaster, who shall send one copy to the Third Assistant Postmaster General (Division of Classification), Washington, D. C., and retain the other in the file of the post office. The postmaster must print a copy of this statement in the second time printed near the first.

POSTMASTER: BE SURE TO READ AND CAREFULLY OBSERVE INSTRUCTIONS ON THE OTHER SIDE.

November 1928

Page Fifty-five

ASBESTOS



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Four (4) Ply Black Seal Asbestos Roofing for use on Wood Decks with inclines of 3 in. fall to the foot or more. Ideal type of Roofing for saw-tooth construction. Used in connection with all types of Built-up Roofings of either Asbestos Felts, Asphalt Felts or Tarred Felts.

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